SONY

3-759-483-21 (1)

Compact Disc Player

Operating Instructions

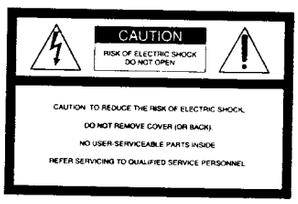
COMPACT disc DIGITAL AUDIO

CDP-361
CDP-261

© 1994 by Sony Corporation

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

Owner's Record

The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

Precautions

On safety

- As the laser beam used in this unit is harmful to the eyes, do not attempt to disassemble the cabinet. Refer servicing to qualified personnel only.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

On power sources

- Before operating the player, check that the operating voltage of the player is identical with your local power supply. The operating voltage is indicated on the nameplate at the rear of the player.
- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- AC power cord must be changed only at the qualified service shop.

On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug that might block the ventilation holes on the bottom.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.

On operation

- If the player is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about an hour until the moisture evaporates.

On adjusting volume

- Do not turn up the volume while listening to a portion with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level portion is played.

On cleaning

- Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

Welcome!

Thank you for purchasing the Sony Compact Disc Player. Before operating the unit, please read this manual thoroughly and retain it for future reference.

About This Manual

The instructions in this manual are for models CDP-361 and CDP-261. The CDP-361 is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, "CDP-361 only."

Type of differences

Feature \ Model	361	261
Variable line output jacks	●	
Fixed line output jacks		●
Optical digital output connector	●	
Supplied remote	●	

Conventions

- Instructions in this manual describe the controls on the player. You can also use the controls on the remote if they have the same or similar names as those on the player. In the instructions, the buttons on the remote are indicated in parentheses.
- The following icons are used in this manual:

Indicates that you can do the task using the remote. (Note that the CDP-261 cannot do the tasks marked with this icon.)

Indicates hints and tips for making the task easier.

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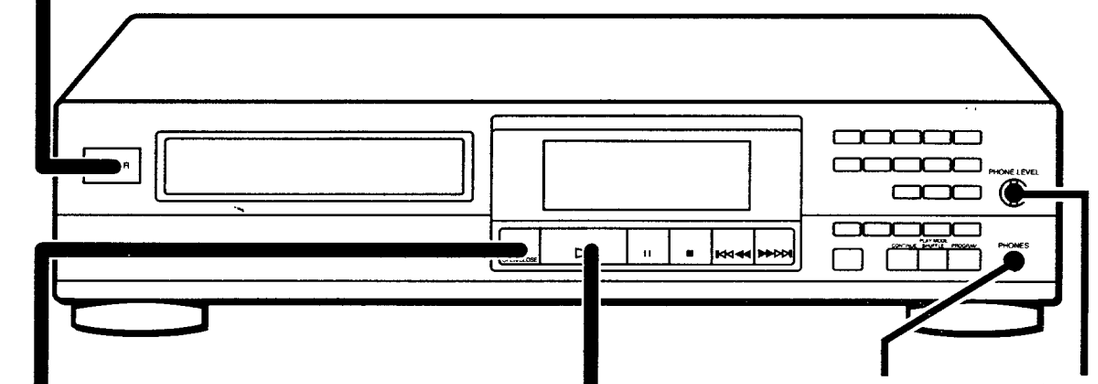
Playing a CD

Before you start...

Turn on the amplifier and select the CD player position.

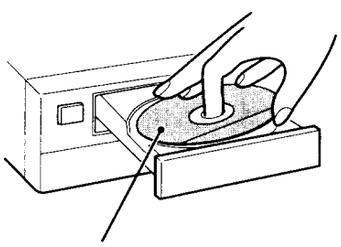
1 **Press POWER to turn on the player.**



Connect the headphones.

Adjust the headphone volume.

2 **Press ⏏OPEN/CLOSE, and place a CD on the tray.**



With the label side up

3 **Press ▷.**

The disc tray closes and the player plays all the tracks once (continuous play).
Adjust the volume on the amplifier or the output level with LINE OUT LEVEL on the remote (CDP-361 only).

To stop playback

Press ■.

When you want to	Press
Pause	⏸
Resume play after pause	⏸ or ▷
Go to the next track	▶▶▷▷I (▶▶I)
Go back to the preceding track	I◁◁◀◀ (I◀◀)
Stop play and remove the CD	⏏OPEN/CLOSE

If you turn on the player with a CD in the tray

You can start playing automatically from the beginning of the CD. If you connect a commercially available timer, you can start playing the CD at any time you want.

If play doesn't start from the first track

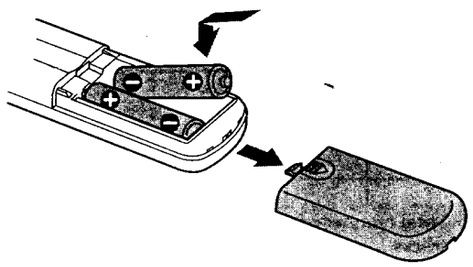
Press CONTINUE.

Unpacking

Check that you received the following items:
- Audio connecting cord (1)
- Remote commander (remote) (CDP-361 only) (1)
- Sony SUM-3 (NS) batteries (CDP-361 only) (2)

Inserting batteries into the remote (CDP-361 only)

You can control the player using the supplied remote. Insert two size AA (R6) batteries by matching the + and – on the batteries. When using the remote, point it at the remote sensor ■ on the player.



When to replace batteries

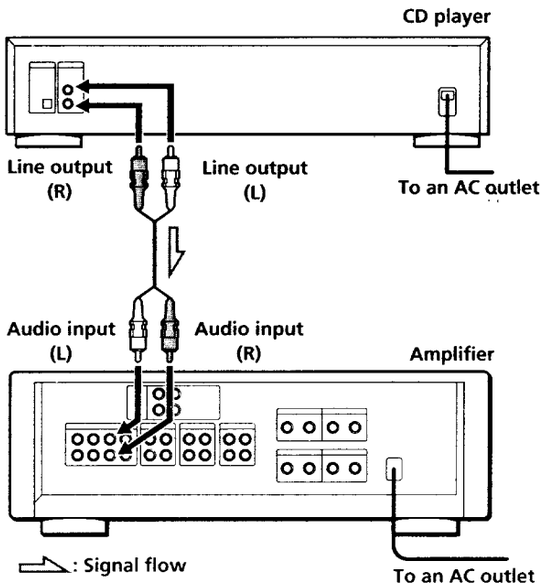
With normal use, the batteries should last for about six months. When the remote no longer operates the player, replace all the batteries with new ones.

Notes
- Do not leave the remote near an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Hooking Up the System

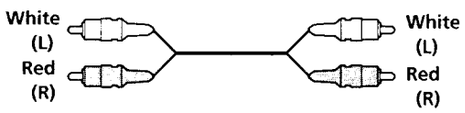
Overview

This section describes how to hook up the CD player to an amplifier. Be sure to turn off the power of each component before making the connections.



What cords will I need?

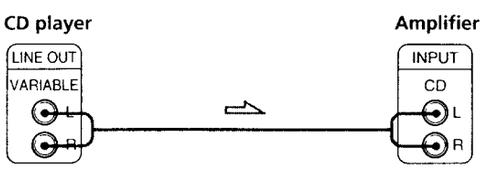
Audio cord (supplied) (1)



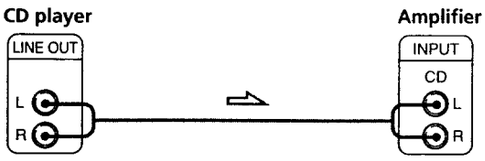
Hookups

When connecting an audio cord, be sure to match the color-coded cord to the appropriate jacks on the components: Red (right) to Red and White (left) to White. Be sure to make connections firmly to avoid hum and noise.

- **For CDP-361**



• **For CDP-261**



You can adjust the output level to the amplifier (CDP-361 only)

Press LINE OUT LEVEL on the remote. You can reduce the output level up to –20 dB.

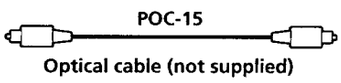
When you reduce the output level, [FADE] appears in the display.

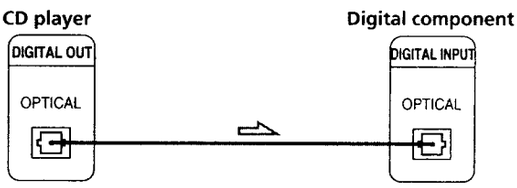
When you turn off the player, the output level automatically returns to the maximum level.

• **If you have a digital component such as a digital amplifier, D/A converter, DAT or MD (CDP-361 only)**

Connect the component via the DIGITAL OUT (OPTICAL) connector using the optical cable (not supplied). Take off the cap and plug in the optical cable.

Note that you cannot use fading in or out (page 10) and time fade (page 11) functions when making this connection.





Note

When you connect via the DIGITAL OUT (OPTICAL) connector, noise may occur when you play CD software other than music, such as a CD-ROM.

Connecting the AC power cord

Connect the AC power cord to a wall outlet.

Where do I go next?

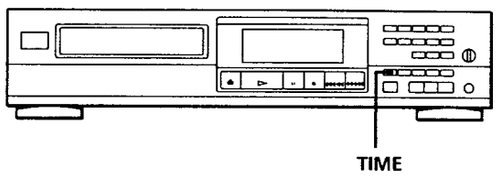
Now you're ready to use your player.

If you aren't familiar with how to play CDs, go to the section "Playing a CD" on page 4.

Then, go to the following sections for other operations.

Using the Display

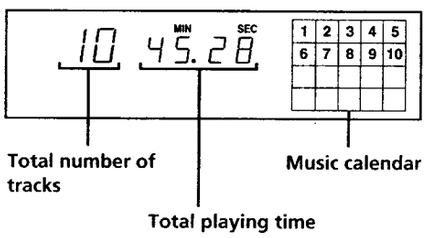
You can check information about the disc using the display.



Checking the total number and playing time of the tracks

Press TIME before you start playing.

The display shows the total number of tracks, total playing time and music calendar.

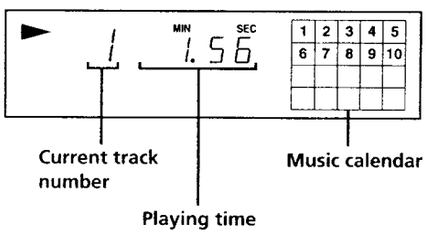


While in shuffle play mode ("SHUFFLE" appears in the display; see page 8), a one-second access time blank is added between each track. This increase is automatically added to the total playing time in the display.

The information also appears when you press ⏏ OPEN/CLOSE to close the disc tray.

Display information while playing a disc

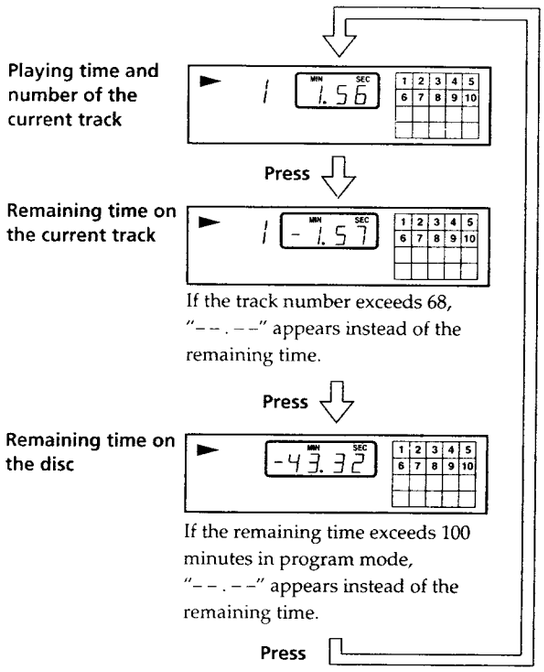
While playing a disc, the display shows the current track number, playing time and the music calendar.



The track numbers in the music calendar disappear after they are played.

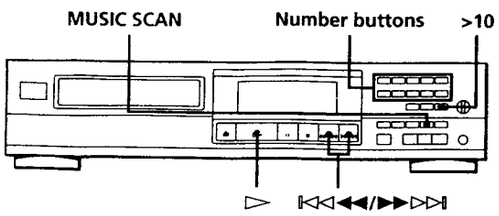
Checking the remaining time

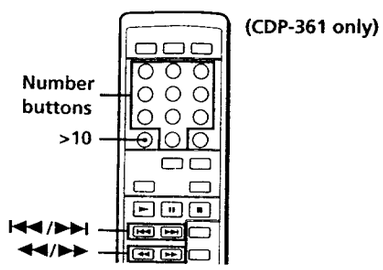
Each time you press TIME while playing a disc, the display changes as shown in the chart below.


Playing time and number of the current track
Press
Remaining time on the current track
If the track number exceeds 68, "– – . – –" appears instead of the remaining time.
Press
Remaining time on the disc
If the remaining time exceeds 100 minutes in program mode, "– – . – –" appears instead of the remaining time.
Press

Locating a Specific Track or a Particular Point in a Track

You can quickly locate any track while playing a disc using the ⏮◀◀/▶▶⏭ (AMS: Automatic Music Sensor) buttons or number buttons.
You can also locate a particular point in a track while playing a disc.





To locate	Press
The next or succeeding tracks	▶▶⏭ (▶▶⏭) repeatedly until you find the track
The current or preceding tracks	⏮◀◀ (⏮◀◀) repeatedly until you find the track
A specific track directly	Number button of the track
By scanning each track for 10 seconds (music scan)	MUSIC SCAN before you start playing. When you find the track you want, press ▷ to start playing.
A point while monitoring the sound	▶▶⏭ (▶▶) (forward) or ⏮◀◀ (◀◀) (backward) and hold down until you find the point
A point quickly by observing the display during pause	⏮◀◀/▶▶⏭ (◀◀/▶▶) and hold down until you find the point. You will not hear the sound during the operation.

When you directly locate a track numbered over 10

Press >10 first, then the corresponding number buttons. To enter "0," use button 10.
Example: To play track number 30
Press >10 first, then 3 and 10.

You can extend the playing time during music scan

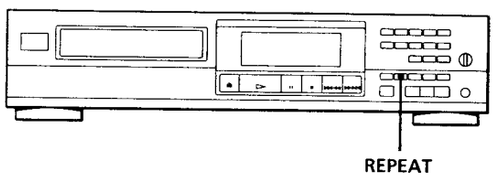
Press MUSIC SCAN repeatedly until the playing time you want (10, 20 or 30) appears in the display. Each time you press the button, the playing time changes cyclically.

Note

If "⌐|⌐|" appears in the display, the disc has reached the end while you were pressing ▶▶⏭ (▶▶). Press ⏮◀◀ (⏮◀◀ or ◀◀) to go back.

Playing Tracks Repeatedly

You can play tracks repeatedly in any play mode.



Press REPEAT while playing a disc.
"REPEAT" appears in the display. The player repeats the tracks as follows:

When the disc is played in	The player repeats
Continuous play (page 4)	All the tracks
Shuffle play (page 8)	All the tracks in random orders
Program play (page 8)	The same program

To cancel repeat play
Press REPEAT repeatedly until "REPEAT" disappears from the display.

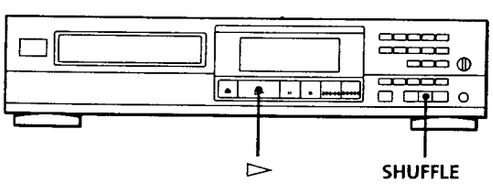
Repeating the current track

You can repeat only the current track while the disc is played in continuous play.

While the track you want is being played, press REPEAT repeatedly until "REPEAT 1" appears in the display.

Playing in Random Order (Shuffle Play)

You can have the player "shuffle" tracks and play in a random order.



1 Press SHUFFLE.
"SHUFFLE" appears in the display.

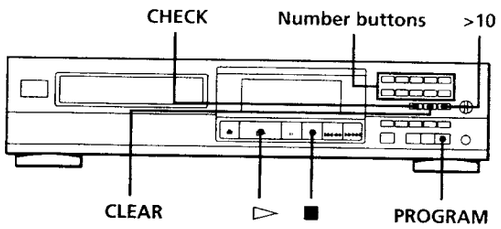
2 Press ▷ to start shuffle play.
The [ ] indication appears while the player is "shuffling" the tracks.

To cancel shuffle play
Press CONTINUE.

You can start shuffle play while playing
Press SHUFFLE, and shuffle play starts from the current track.

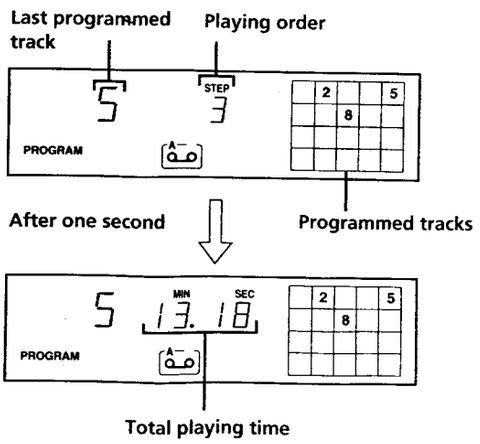
Creating Your Own Program (Program Play)

You can arrange the order of the tracks on a disc and create your own program. The program can contain up to 24 tracks.



1 Press PROGRAM.
"PROGRAM" appears in the display.

2 Press the number buttons of the tracks you want to program in the order you want.
To program the track numbered over 10, use the >10 button (see page 7).



If you've made a mistake
Press CLEAR, then press the correct number button.

3 Press ▷ to start program play.

To cancel program play
Press CONTINUE.

The program remains even after the program play ends

When you press ▷, you can play the same program again.

Notes

- The total playing time doesn't appear in the display when it exceeds 100 minutes.
- "FULL" appears in the display when you try to add a track to a program which already contains 24 tracks.

Checking the track order

You can check your program before or after you start playing.

Press CHECK.
Each time you press this button, the display shows the track number in the programmed order. After the last track in the program, the display shows "End" and returns to the original display. If you check the order after you start playing, the display shows only the remaining track numbers.

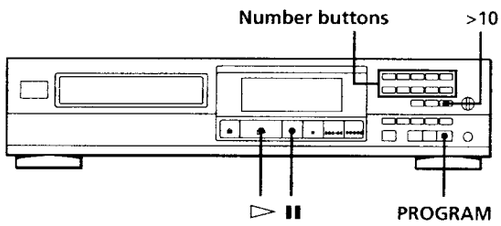
Changing the track order

You can change your program before you start playing.

To	Press
Erase a track	CHECK until the track you don't want appears in the display, then press CLEAR
Erase the last track in the program	CLEAR. Each time you press the button, the last track will be cleared.
Add tracks to the end of the program	Number buttons of the tracks to be added
Change the whole program completely	■ (stop). Create a new program following the programming procedure.

Recording Your Own Program

You can record the program you've created on a tape, DAT or MD. The program can contain up to 24 tracks. By inserting a pause during programming, you can divide the program into two for recording on both sides of a tape.



1 Create your program (for side A when recording on a tape) while checking the total playing time indicated in the display.
Follow Steps 1 and 2 in "Creating Your Own Program" on page 8.
The [A] indication appears in the display.

2 When you record on both sides of the tape, press II to insert a pause.
The "P" and [A–B] indications appear in the display and the playing time is reset to "0.00."
When you record on one side of the tape or on a DAT or MD, skip this step and go to Step 4.

A pause is counted as one track
You can program up to 23 tracks when you insert a pause.

3 Repeat Step 1 to create the program for side B.

4 Start recording on the deck and then press ▷ on the player.
When you record on both sides of the tape, the player pauses at the end of the program for side A.

5 When you record on side B, reverse the tape and press ▷ or II on the player to resume playing.

You can check the total playing time while programming (program edit)
To select a track, press ⏮◀◀ (⏮◀◀) or ▶▶▷▷⏭ (▶▶⏭) and check the total playing time. Then press PROGRAM to confirm your selection.

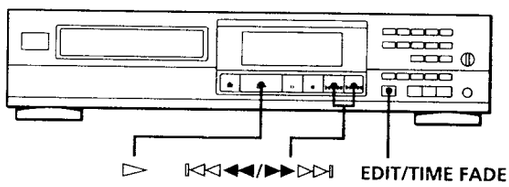
To check and change your program
See the left column of this page.
The [A] indication appears while checking the program for side A and [B] while checking the program for side B.

When tracks, which aren't numerically consecutive on the disc, are programmed consecutively (i.e. 1, 3, 5 etc.)

A one-second access time blank is added between the tracks.

Recording a CD by Specifying Tape Length (Time Edit)

You can have the player create a program that will fit the length of the tape.
The player automatically creates a program, keeping the original order of the disc.
The program can contain up to 24 tracks (a pause inserted between tracks is counted as one track).
Note that tracks whose numbers are over 24 cannot be programmed.



1 Press EDIT/TIME FADE before you start playing until EDIT appears and "A" in the [A] indication flashes in the display.

2 Press I◁◁ or ▶▶▷▷I to specify the tape length.
Each time you press these buttons, the display changes as shown below, with the tape length of one side following each indication.

HALF ↔ C-46 ↔ C-54 ↔ C-60 ↔ C-74 ↔ C-90 ↔
(23.00) (27.00) (30.00) (37.00) (45.00)

When you select "HALF"

The player sets the program of each side to a half of the total playing time of the disc. Note that you cannot select "HALF" when the disc has more than 24 tracks.

3 Press EDIT/TIME FADE to have the player create the program.
The display shows the tracks to be recorded. "B" in the [B] indication flashes in the display.

4 When you record on both sides of the tape, press EDIT/TIME FADE again.
The player inserts a pause, then creates the program for side B. The display shows the programmed tracks.
When you record on one side of the tape or on a DAT or MD, skip this step.

5 Start recording on the deck and then press ▷ on the player.
When you record on both sides of the tape, the player pauses at the end of the program for side A.

6 When you record on side B, reverse the tape and press ▷ or II on the player to resume playing.

To cancel time edit

Press CONTINUE.

You can program the tracks you want in advance

Select the tracks before doing the above procedure. The player creates a program from the remaining tracks. In this case, you cannot select "HALF" to specify the tape length.

You can freely specify the tape length

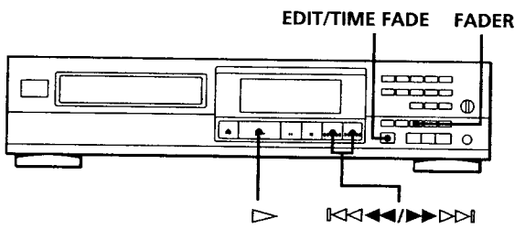
Set the tape length using number buttons. To enter "0," use button 10.
Example: When the tape length of one side is 30 minutes and 15 seconds
Press 3, 10, 1 and 5.

When tracks, which aren't numerically consecutive on the disc, are programmed consecutively (i.e. 1, 3, 5 etc.)

A one-second access time blank is added between the tracks.

Fading In or Out

You can manually fade in or out to prevent tracks from starting or ending abruptly.
Note that you cannot use this effect when you use the DIGITAL OUT (OPTICAL) connector (CDP-361 only).



To	Press FADER
Start play fading in	During pause. The ◂II indication flashes and play fades in.
End play fading out	When you want to start fading out. The II▸ indication flashes. The play fades out and the player pauses.

Fading out at the specified time (Time Fade)

You can have the player fade out automatically by specifying the playing time. Once you set the time fade, it works twice, that is, the play fades out at the end of both sides of a tape.

1 Press EDIT/TIME FADE repeatedly before you start playing until "TIME FADE" and "A" in the A indication appear in the display.

2 Press ⏮◀◀ or ▶▶⏭ to specify the playing time.
Each time you press these buttons, the display changes as shown below, with the playing time of one side following each indication.

HALF ↔ C-46 ↔ C-54 ↔ C-60 ↔ C-74 ↔ C-90 ↔ ····
(23.00) (27.00) (30.00) (37.00) (45.00)

When you select "HALF"
The player sets the playing time to a half of the total playing time.

3 Press ▷ to start playing.
At the specified time the play fades out and the player pauses. "B" in the B indication appears in the display.

4 To record on side B, reverse the tape and press ▷ or ❚❚ on the player to resume playing.
Again, the play fades out at the specified time.

To cancel time fade
Press EDIT/TIME FADE.

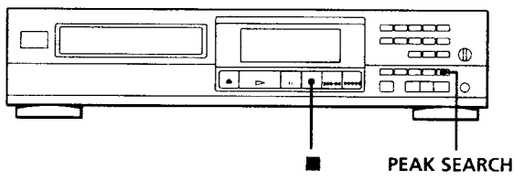
You can freely specify the playing time
See "You can freely specify the tape length" on page 10.

You can change discs during time fade
If the play ends before the specified fade-out time, (for example, when you record CD-singles on a tape) change the disc. The specified fade-out time is counted only during playing.

You can fade in to resume playing in Step 4
After you reverse the tape, press FADER.

Adjusting the Recording Level (Peak Search)

The player locates the highest level among the tracks to be recorded to let you adjust the recording level before you start recording.



1 Before you start playing, press PEAK SEARCH.
"PEAK" flashes in the display and the player repeats the portion of the highest level.

2 Adjust the recording level on the deck.

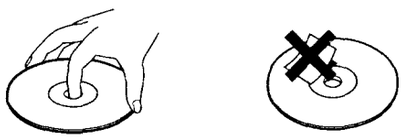
3 Press ■ on the player to stop peak search.
"PEAK" disappears from the display.

Note
The portion with the highest level may differ every time you try the adjustment on the same disc. The difference is, however, so slight that you won't find any problem in adjusting the recording level precisely.

Notes on CDs

On handling CDs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.



Not this way

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight as there can be considerable rise in temperature inside the car.
- Do not use any commercially available stabilizer. If you do, the disc and the player may be damaged.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.

- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Troubleshooting

If you experience any of the following difficulties while using the player, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

There's no sound.

➡ Check that the player is connected securely.
➡ Make sure you operate the amplifier correctly.
➡ Adjust the playback level using the PHONE LEVEL control while listening with headphones.
➡ Adjust the output level with LINE OUT LEVEL on the remote (CDP-361 only).

The CD does not play.

➡ There's no CD inside the player ("no dISC" appears). Insert a CD.
➡ Place the CD with the label side up on the disc tray correctly.
➡ Clean the CD (see above).
➡ Moisture has condensed inside the player. Remove the disc and leave the player turned on for about an hour (see page 2).

The recording level has changed. (CDP-361 only)

➡ The recording level changes if you adjust the output level with LINE OUT LEVEL on the remote during recording.

The remote does not function. (CDP-361 only)

➡ Remove the obstacles in the path of the remote and the player.
➡ Point the remote at the remote sensor ▣ on the player.
➡ Replace all the batteries in the remote with new ones if they are weak.

Specifications

Compact disc player

Laser	Semiconductor laser
Wavelength	780 – 790 nm
Frequency response	2 Hz to 20 kHz ± 0.5 dB
Signal-to-noise ratio	More than 100 dB
Dynamic range	More than 98 dB
Harmonic distortion	Less than 0.0045%
Channel separation	More than 95 dB

Outputs

	Jack type	Maximum output level	Load impedance
LINE OUT (VARIABLE) (CDP-361)	Phono jacks	2 V (at 50 kilohms)	Over 10 kilohms
LINE OUT (CDP-261)	Phono jacks	2 V (at 50 kilohms)	Over 10 kilohms
DIGITAL OUT (OPTICAL) (CDP-361)	Optical output connector	–18 dBm	Wave length: 660 nm
PHONES	Stereo phone jack	10 mW	32 ohms

General

Power requirements	120 V AC, 60 Hz
Power consumption	10 W
Dimensions (approx.) (w/h/d)	430 × 100 × 295 mm (17 × 4 × 11 5/8 in.) incl. projecting parts
Mass (approx.)	3.2 kg (7 lbs 1 oz)

Supplied accessories

Audio cord (2 phono plugs – 2 phono plugs) (1)
Remote commander (remote) (CDP-361 only) (1)
Sony SUM-3 (NS) batteries (CDP-361 only) (2)

Design and specifications are subject to change without notice.

Sony Corporation Printed in China